

Safety data sheet in accordance with 91/155/EEC

MAPRENAL SMF 981/80B

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Substance key: S200060

Version : 7 - 3 /EU / 10.07.2003

Date of printing : 17.11.03

1. Identification of the substance/preparation and company

Trade name

MAPRENAL SMF 981/80B

Recommended use:

Binder

Identification of the company

SURFACE SPECIALTIES GERMANY

RHEINGAUSTRASSE 190-196

65203 WIESBADEN

Telephone no. : +49 (611) 962-02

Information about the substance/preparation:

Emergency telephone number: +49 (611) 962 8204

2. Composition/information on ingredients

Chemical characterization

n-butylated benzoguanomine formaldehyde resin

Hazardous ingredients

Butan-1-ol; n-butanol

Concentration : 18 %

CAS number : 71-36-3

EINECS number : 200-751-6

Hazard symbols Xn

R phrases 10 22 37/38 41 67

Free formaldehyde

Concentration : 0,2 - 0,99 %

CAS number : 50-00-0

EINECS number : 200-001-8

Hazard symbols T

R phrases 23/24/25 34 40 43

2-Methylpropan-1-ol; isobutanol

Concentration : 1,3 %

CAS number : 78-83-1

EINECS number : 201-148-0

Hazard symbols Xi

R phrases 10 37/38 41 67

For full text of the R - phrase see under chapter 16.

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3. Hazards identification

Flammable.

Irritating to respiratory system and skin.

Risk of serious damage to eyes.

May cause sensitization by skin contact.

- - - - -

Vapours may cause drowsiness and dizziness.

4. First aid measures

After inhalation

Remove the casualty into fresh air and keep him calm.

After contact with skin

In case of contact with skin wash off immediately with soap and water

After contact with eyes

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

5. Fire-fighting measures

Suitable extinguishing media

water spray jet

alcohol-resistant foam

sand

carbon dioxide

dry powder

Special hazards from the substance itself, its combustion products or from its vapours

In case of fires, hazardous combustion gases are formed:

Nitrogen oxides (NO_x)

Special protective equipment for firefighting

Use self-contained breathing apparatus

6. Accidental release measures

Methods for cleaning up/taking up

Pick up with absorbent material (e.g. sand, sawdust).

When picked up, treat material as prescribed under heading "Disposal".

7. Handling and storage

Advice on safe handling

Use only in well ventilated areas.

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking.

Take precautionary measures against electrostatic loading.

Further information on storage conditions

Keep container tightly closed

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8. Exposure controls/personal protection

Ingredients with occupational exposure limits to be monitored

General protective measures

Avoid contact with eyes and skin

Do not inhale vapours

Hand protection : Nitrile or fluorinated rubber gloves. Consider the porosity and elasticity data of the glove manufacturer and the specific conditions in the work place.

Eye protection : safety glasses

9. Physical and chemical properties

Form :	Liquid
Colour :	colourless
Odour :	alkohol-like
Freezing point	approx. -8 °C
Boiling range:	60 - 100 °C
Flash point :	40 °C Method : DIN EN ISO 1523
Ignition temperature :	380 °C Method : DIN 51794
Vapour pressure :	17 mbar (20 °C)
Vapour pressure :	45 mbar (50 °C)
Density :	1,09 g/cm ³ (20 °C) Method : DIN EN ISO 2811-2
Solubility in water :	insoluble (20 °C)
Viscosity :	5.000 - 10.000 mPa.s (23 °C) Method : ISO 3219

10. Stability and reactivity

Hazardous decomposition products
Formaldehyde

11. Toxicological information

Remarks:

The product was classified on the basis of the calculation procedure of the preparations directive (1999/45/EC).

Irritation is possible by contact of the product with the skin, respiratory organs or the eyes.

Solvent vapours have a narcotic effect if inhaled in high concentrations

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12. Ecological information

Remarks:

Do not allow to enter soil, waterways or waste water

13. Disposal considerations

Product

In accordance with local authority regulations, take to special waste incineration plant

Uncleaned packaging

Packaging that cannot be cleaned should be disposed off as product waste

14. Transport information

ADR 3 / III UN number : 1866 Hazard no. : 30
Resin solution

RID 3 / III UN number : 1866 Hazard no. : 30
Resin solution

IMDG 3 / III UN number : 1866 EmS Fire: F-E, EmS Spill: S-E
Resin solution

ICAO/IATA 3 / III UN number : 1866
Resin solution

Additional information

Dispatch by post: Not permitted

In receptacles < 450 litres: Carriage in accordance with 2.2.3.1.5 (ADR/RID)

15. Regulatory information

Labelling in accordance with EC directives
hazard warning labelling compulsory

Hazard symbols

Xi Irritant

Hazardous component(s) to be indicated on label

Free formaldehyde

Butan-1-ol; n-butanol

R phrases

10 Flammable.
37/38 Irritating to respiratory system and skin.
41 Risk of serious damage to eyes.
43 May cause sensitization by skin contact.

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S phrases

- | | |
|-------|---|
| 24 | Avoid contact with skin. |
| 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| 37/39 | Wear suitable gloves and eye/face protection. |
| 51 | Use only in well-ventilated areas. |

Special labelling for certain preparations

Vapours may cause drowsiness and dizziness.

National regulations

Water Hazard Class (Ger.) : 1 (according to VwVwS, 17.05.1999)

16. Other information

Full text of the R-Phrase from chapter 2:

- | | |
|----------|---|
| 10 | Flammable. |
| 22 | Harmful if swallowed. |
| 23/24/25 | Toxic by inhalation, in contact with skin and if swallowed. |
| 34 | Causes burns. |
| 37/38 | Irritating to respiratory system and skin. |
| 40 | Limited evidence of a carcinogenic effect. |
| 41 | Risk of serious damage to eyes. |
| 43 | May cause sensitization by skin contact. |
| 67 | Vapours may cause drowsiness and dizziness. |

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.